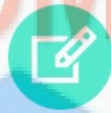
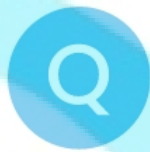


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QUIZZES

Practice test 1 Unit 11



10 Questions



7 min

Topics

Atomic Spectra/Line Spectrum

Start Quiz

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

06 : 59



1/10



7 min



Hint

Q : The relation between Rydberg constant (R_H) and ground state energy (E_0) is given by the relation:

A

$$R_H = \frac{hc}{E_0}$$

B

$$R_H = \frac{E_0}{hc}$$

C

$$R_H = E_0 \times hc$$

D

$$R_H = \frac{E_0^2}{hc}$$

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 55



2/10



7 min



Hint

Q : Which of the following is an example of continuous spectra?

A

black body radiation spectrum

B

molecular spectrum

C

atomic spectrum

D

none of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 53



3/10



7 min



Hint

Q : Which of the following has the simplest spectrum

A

oxygen

B

hydrogen

C

nitrogen

D

neon

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 51



4/10



7 min



Hint

Q : According to 3rd postulate of Bohr's theory:

A

$$E_n - E_p = f\lambda$$

B

$$E_n - E_p = h\nu$$

C

$$E_n - E_p = hf$$

D

$$E_p - E_n = hf$$

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

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4

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6

7

06 : 49



5/10



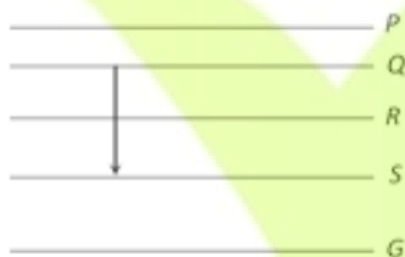
7 min



Hint

Q :

Figure shows the energy levels P, Q, R, S and G of an atom where G is the ground state. A red line in the emission spectrum of the atom can be obtained by an energy level change from Q to S. A blue line can be obtained by following energy level change



A

P to Q

B

Q to R

C

R to S

D

R to G

1

2

3

4

5

6

7

06 : 33



6/10



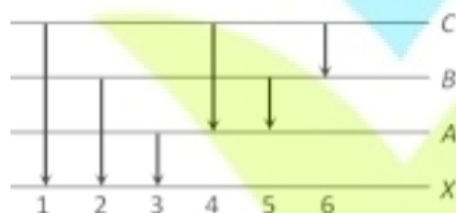
7 min



Hint

Q :

The figure indicates the energy level diagram of an atom and the origin of six spectral lines in emission (e.g. line no. 5 arises from the transition from level B to A). The following spectral lines will also occur in the absorption spectrum



A

1, 2, 3

B

1, 2, 3, 4, 5, 6

C

1, 4, 6

D

4, 5, 6

1

2

3

4

5

6

7

06 : 31



7/10



7 min



Hint

Q :

The ratio of the frequencies of the long wavelength limits of Lyman and Balmer series of hydrogen spectrum is

A

27 : 5

B

5 : 27

C

4 : 1

D

1 : 4

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 29



8/10



7 min



Hint

Q :

In a hydrogen atom, which of the following electronic transitions would involve the maximum energy change

A

From $n = 2$ to $n = 1$

B

From $n = 3$ to $n = 1$

C

From $n = 4$ to $n = 2$

D

From $n = 3$ to $n = 2$

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10

06 : 27



9/10



7 min



Hint

Q :

The ratio of the largest to shortest wavelengths in Lyman series of hydrogen spectra is



25/9



17/6



9/5



4/3

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10

06 : 24



10/10



7 min



Hint

Q :

According to the Rutherford's atomic model, the electrons inside the atom are

A

Stationary

B

Not stationary

C

Centralized

D

None of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

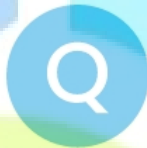
9

10



QUIZ RESULT

Practice test 1 Unit 11



10



7 min



03-May-2021



0 sec



0/10



0.0%

SAEED MDCAT

Result Detail

SAEED MDCAT TEAM



SAEEDMDCAT





Correct



Unattempted



Incorrect



1/10

Q : The relation between Rydberg constant (R_H) and ground state energy (E_0) is given by the relation:

A

$$R_H = \frac{hc}{E_0}$$

B

$$R_H = \frac{E_0}{hc}$$

C

$$R_H = E_0 \times hc$$

D

$$R_H = \frac{E_0^2}{hc}$$

SAEED MDCAT

SAEED MDCAT TEAM

Explanation



SAEEDMDCAT

Simple formula



Correct



Unattempted



Incorrect



2/10

Q : Which of the following is an example of continuous spectra?

A

black body radiation spectrum

B

molecular spectrum

C

atomic spectrum

D

none of these

Explanation

SAEED MDCAT TEAM

Information



SAEEDMDCAT



Practice test 1 Unit 11



Correct



Unattempted



Incorrect



3/10

Q : Which of the following has the simplest spectrum

A

oxygen

B

hydrogen

C

nitrogen

D

neon

Explanation

Information



SAEEDMDCAT

1

2

3

4

5

6

7



Practice test 1 Unit 11



Correct



Unattempted



Incorrect



4/10

Q : According to 3rd postulate of Bohr's theory:

A

$$E_n - E_p = f\lambda$$

B

$$E_n - E_p = h\nu$$

C

$$E_n - E_p = hf$$

D

$$E_p - E_n = hf$$

Explanation

Formula



SAEEDMDCAT

1

2

3

4

5

6

7



Practice test 1 Unit 11



Correct



Unattempted



Incorrect



5/10

Q :

Figure shows the energy levels P, Q, R, S and G of an atom where G is the ground state. A red line in the emission spectrum of the atom can be obtained by an energy level change from Q to S. A blue line can be obtained by following energy level change



A

P to Q

B

Q to R

C

R to S

D

R to G

1

2

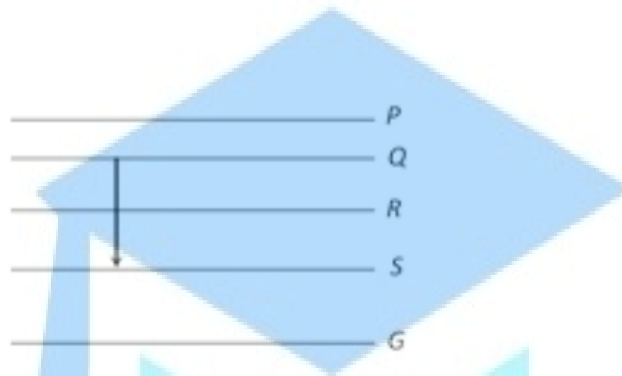
3

4

5

6

7



A

P to Q

B

Q to R

C

R to S

D

R to G

Explanation

SAEED MDCAT TEAM

If E is the energy radiated in transition then

$$E_{R \rightarrow G} > E_{Q \rightarrow S} > E_{R \rightarrow S} > E_{Q \rightarrow R} > E_{P \rightarrow Q}$$

For getting blue line energy radiated should be maximum

$$(E \propto 1/\lambda)$$

. Hence (d) is the correct option.



Practice test 1 Unit 11

The figure indicates the energy level diagram of an atom and the origin of six spectral lines in emission (e.g. line no. 5 arises from the transition from level B to A). The following spectral lines will also occur in the absorption spectrum



A

1, 2, 3

B

1, 2, 3, 4, 5, 6

C

1, 4, 6

D

4, 5, 6

Explanation

The absorption lines are obtained when the electron jumps from ground state ($n = 1$) to the higher energy states. Thus only 1, 2 and 3 lines will be obtained.



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Q:

The ratio of the frequencies of the long wavelength limits of Lyman and Balmer series of hydrogen spectrum is

A

27 : 5

B

5 : 27

C

4 : 1

D

1 : 4

Explanation

SAEED MDCAT

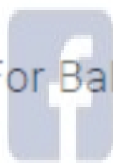
SAEED MDCAT TEAM

For Lyman series

$$\nu_{\text{Lyman}} = \frac{1}{\lambda}$$

For Balmer series

$$\nu_{\text{Balmer}} = \frac{1}{\lambda}$$



SAEEDMDCAT



Q :

The ratio of the frequencies of the long wavelength limits of Lyman and Balmer series of hydrogen spectrum is

A

27 : 5

B

5 : 27

C

4 : 1

D

1 : 4

Explanation

$$\nu_{\text{Lyman}} = \frac{c}{\lambda_{\text{max}}} = Rc \left[\frac{1}{(1)^2} - \frac{1}{(2)^2} \right]$$
$$\nu_{\text{Balmer}} = \frac{c}{\lambda_{\text{max}}} = Rc \left[\frac{1}{(2)^2} - \frac{1}{(3)^2} \right]$$



Q:

The ratio of the frequencies of the long wavelength limits of Lyman and Balmer series of hydrogen spectrum is

A

27 : 5

B

5 : 27

C

4 : 1

D

1 : 4

Explanation

$$\frac{1}{\lambda_{\text{Lyman}}} = R_H \left[\frac{1}{(1)^2} - \frac{1}{(2)^2} \right] = \frac{3R_H}{4}$$
$$\frac{1}{\lambda_{\text{Balmer}}} = R_H \left[\frac{1}{(2)^2} - \frac{1}{(3)^2} \right] = \frac{5R_H}{36}$$



Correct



Unattempted



Incorrect



8/10

Q :

In a hydrogen atom, which of the following electronic transitions would involve the maximum energy change

A

From $n = 2$ to $n = 1$

B

From $n = 3$ to $n = 1$

C

From $n = 4$ to $n = 2$

D

From $n = 3$ to $n = 2$

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT



Incorrect



9/10

Q:

The ratio of the largest to shortest wavelengths in Lyman series of hydrogen spectra is

A

25/9

B

17/6

C

9/5

D

4/3

Explanation

For Lyman series $\frac{1}{\lambda_{\max}} = R$

$$\frac{1}{\lambda_{\min}} = R \left[\frac{1}{1^2} - \frac{1}{\infty^2} \right] = \frac{R}{1} \Rightarrow \frac{\lambda_{\max}}{\lambda_{\min}}$$



Practice test 1 Unit 11



Correct



Unattempted



Incorrect



9/10

Q:

The ratio of the largest to shortest wavelengths in Lyman series of hydrogen spectra is



25/9



17/6



9/5



4/3

Explanation

SAEED MDCAT TEAM

For Lyman series $\frac{1}{\lambda_{\max}} = R \left[\frac{1}{1^2} - \frac{1}{2^2} \right]$

$$\Rightarrow \left[\frac{1}{1^2} - \frac{1}{\infty^2} \right] = \frac{R}{1} \Rightarrow \frac{\lambda_{\max}}{\lambda_{\min}} = \frac{4}{3}$$

4

5

6

7

8

9

10



Practice test 1 Unit 11



Correct



Unattempted



Incorrect



10/10

Q :

According to the Rutherford's atomic model, the electrons inside the atom are

A

Stationary

B

Not stationary

C

Centralized

D

None of these

4

5

6

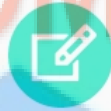
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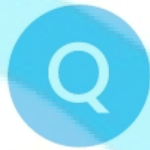
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QUIZZES

Practice test 2 Unit 11



10 Questions



7 min

Topics

Production of X-rays and Characteristics X-rays

Start Quiz

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

06 : 59



1/10



7 min



Hint

Q : X – Rays can not produce

A

Photo Electric Effect

B

Compton's Effect

C

Pair Production

D

All of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 56



2/10



7 min



Hint

Q : X-rays are diffracted by a crystal but not by a diffraction grating because _____

A

The ions in a crystal are well arranged.

B

The lines in a diffraction grating cannot reflect X-rays.

C

The penetration power of X-rays is high in a diffraction grating.

D

The wavelengths of X-rays are of the same order of magnitude as the separation between atoms in a crystal.

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

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7

06 : 54



3/10



7 min



Hint

Q : The target metal in x-ray tube is made of



aluminium



gold



tungsten



silver

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 52



4/10



7 min



Hint

Q : X-rays can cause

A

cancer

B

damage the living tissues

C

both a and b

D

none of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 50



5/10



7 min



Hint

Q :

A metal block is exposed to beams of X-ray of different wavelength. X-rays of which wavelength penetrate most



2 Å



4 Å



6 Å



6 Å

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 48



6/10



7 min



Hint

Q :

The voltage applied across an X-rays tube is nearly



10 V



100 V



10000 V



10^6 V

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 46



7/10



7 min



Hint

Q :

The characteristic X-ray radiation is emitted, when

A

The electrons are accelerated to a fixed energy

B

The source of electrons emits a monoenergetic beam

C

The bombarding electrons knock out electrons from the inner shell of the target atoms and one of the outer electrons falls into this vacancy

D

The valence electrons in the target atoms are removed as a result of the collision

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 42



8/10



7 min



Hint

Q :

When the accelerating voltage applied on the electrons increased beyond a critical value

A

Only the intensity of the various wavelengths is increased

B

Only the wavelength of characteristic relation is affected

C

The spectrum of white radiation is unaffected

D

The intensities of characteristic lines relative to the white spectrum are increased but there is no change in their wavelength

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10

06 : 37



9/10



7 min



Hint

Q :

The binding energy of the innermost electron in tungsten is 40 keV. To produce characteristic X-rays using a tungsten target in an X-rays tube the potential difference V between the cathode and the anti-cathode should be

A

$V < 40 \text{ kV}$

B

$V \leq 40 \text{ kV}$

C

$V > 40 \text{ kV}$

D

$V > / < 40 \text{ kV}$

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10

06 : 35



10/10



7 min



Hint

Q :

According to Mosley's law, the frequency of a spectral line in X-ray spectrum varies as

A

Atomic number of the element

B

Square of the atomic number of the element

C

Square root of the atomic number of the element

D

Fourth power of the atomic number of the element

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

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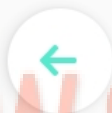
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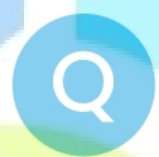
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QUIZ RESULT

Practice test 2 Unit 11



10



7 min



03-May-2021



0 sec



0/10



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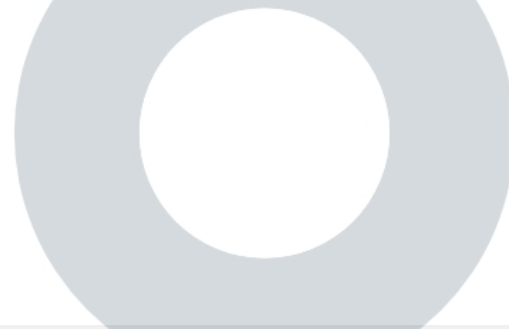
SAEED MDCAT

Result Detail

SAEED MDCAT TEAM



SAEEDMDCAT





Practice test 2 Unit 11



Correct



Unattempted



Incorrect



1/10

Q : X – Rays can not produce

A

Photo Electric Effect

B

Compton's Effect

C

Pair Production

D

All of these

Explanation

X-ray cannot produce pair production, because for pair production high energy photon gamma ray photons are required.

1

2

3

4

5

6

7



Correct



Unattempted



Incorrect



2/10

Q : X-rays are diffracted by a crystal but not by a diffraction grating because _____

A

The ions in a crystal are well arranged.

B

The lines in a diffraction grating cannot reflect X-rays.

C

The penetration power of X-rays is high in a diffraction grating.

D

The wavelengths of X-rays are of the same order of magnitude as the separation between atoms in a crystal.

Explanation

SAEED MDCAT TEAM

Diffraction only happen when size of wavelength is of the order of separation between the grating So, X-rays are shorter in wavelength. So, are unable to reflect through grating.



Practice test 2 Unit 11



Correct



Unattempted



Incorrect



3/10

Q : The target metal in x-ray tube is made of

A

aluminium

B

gold

C

tungsten

D

silver

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7



Practice test 2 Unit 11



Correct



Unattempted



Incorrect



4/10

Q : X-rays can cause

A

cancer

B

damage the living tissues

C

both a and b

D

none of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7



Practice test 2 Unit 11



Correct



Unattempted



Incorrect



5/10

Q:

A metal block is exposed to beams of X-ray of different wavelength. X-rays of which wavelength penetrate most



2 Å



4 Å



6 Å



6 Å

Explanation



SAEEDMDCAT

Penetrating power is greater for lower wavelength.

1

2

3

4

5

6

7



Practice test 2 Unit 11



Correct



Unattempted



Incorrect



6/10

Q:

The voltage applied across an X-rays tube is nearly

A

10 V

B

100 V

C

10000 V

D

10^6 V

Explanation

The voltage applied across the X-ray tube is of the range of 10 kV - 80 kV

1

2

3

4

5

6

7



Practice test 2 Unit 11



Correct



Unattempted



Incorrect



7/10

Q :

The characteristic X-ray radiation is emitted, when

A

The electrons are accelerated to a fixed energy

B

The source of electrons emits a monoenergetic beam

C

The bombarding electrons knock out electrons from the inner shell of the target atoms and one of the outer electrons falls into this vacancy

D

The valence electrons in the target atoms are removed as a result of the collision

1

2

3

4

5

6

7



Correct



Unattempted



Incorrect



8/10

Q :

When the accelerating voltage applied on the electrons increased beyond a critical value

A

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B

Only the wavelength of characteristic relation is affected

C

The spectrum of white radiation is unaffected

D

The intensities of characteristic lines relative to the white spectrum are increased but there is no change in their wavelength

SAEED MDCAT TEAM



SAEEDMDCAT



Correct



Unattempted



Incorrect



9/10

Q :

The binding energy of the innermost electron in tungsten is 40 keV. To produce characteristic X-rays using a tungsten target in an X-rays tube the potential difference V between the cathode and the anti-cathode should be

A

 $V < 40 \text{ kV}$

B

 $V \leq 40 \text{ kV}$

C

 $V > 40 \text{ kV}$

D

 $V \geq 40 \text{ kV}$

SAEED MDCAT TEAM

Explanation



SAEEDMDCAT

Applied voltage must be greater than binding energy.



Practice test 2 Unit 11



Correct



Unattempted



Incorrect



10/10

Q :

According to Mosley's law, the frequency of a spectral line in X-ray spectrum varies as

A

Atomic number of the element

B

Square of the atomic number of the element

C

Square root of the atomic number of the element

D

Fourth power of the atomic number of the element

4

5

6

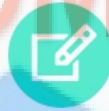
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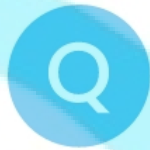
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QUIZZES

Practice test 3 Unit 11



10 Questions



7 min

Topics

Contineous X-rays (Braking X-rays), Properties
and Uses of X-rays

Start Quiz

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

06 : 59



1/10



7 min



Hint

Q :

The X-ray beam coming from an X-ray tube will be

A

Monochromatic

B

Having all wavelengths smaller than a certain maximum wavelength

C

Having all wavelengths larger than a certain minimum wavelength

D

Having all wavelengths lying between a minimum and a maximum wavelength

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 57



2/10



7 min



Hint

Q :

The penetrating power of X-rays increases with the

A

Increase in its velocity

B

Increase in its frequency

C

Increase in its intensity

D

Decrease in its velocity

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 54



3/10



7 min



Hint

Q :

X-rays are produced due to

A

Break up of molecules

B

Changing in atomic energy level

C

Changing in nuclear energy level

D

Radioactive disintegration

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 53



4/10



7 min



Hint

Q :

The ratio of the energy of an X-ray photon of wavelength 1 \AA to that of visible light of wavelength 5000 \AA is

A

1 : 5000

B

5000 : 1

C

1 : 25×10^6

D

25×10^6

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 51



5/10



7 min



Hint

Q :

The most penetrating radiation out of the following is

A

X-rays

B

β -rays

C

α -particles

D

γ -rays

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 48



6/10



7 min



Hint

Q :

X-rays cannot be deflected by means of an ordinary grating due to

A

Large wavelength

B

High speed

C

Short wavelength

D

None of these

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 46



7/10



7 min



Hint

Q :

When X rays pass through a strong uniform magnetic field, Then they

A

Do not get deflected at all

B

Get deflected in the direction of the field

C

Get deflected in the direction opposite to the field

D

Get deflected in the direction perpendicular to the field

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

1

2

3

4

5

6

7

06 : 44



8/10



7 min



Hint

Q :

X-ray will travel minimum distance in

A

Air

B

Iron

C

Wood

D

Water

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10

06 : 42



9/10



7 min



Hint

Q :

X-rays when incident on a metal

A

Exert a force on it

B

Transfer energy to it

C

Transfer pressure to it

D

All of the above

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

6

7

8

9

10

06 : 40



10/10



7 min



Hint

Q :

Absorption of X-ray is maximum in which of the following different sheets

A

Copper

B

Gold

C

Beryllium

D

Lead

SAEED MDCAT

SAEED MDCAT TEAM



SAEEDMDCAT

4

5

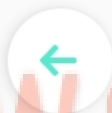
6

7

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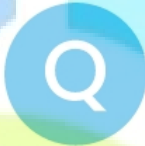
9

10



QUIZ RESULT

Practice test 3 Unit 11



10



7 min



03-May-2021



0 sec



0/10



0.0%

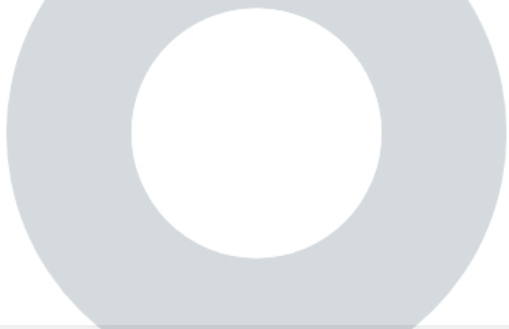
SAEED MDCAT

Result Detail

SAEED MDCAT TEAM



SAEEDMDCAT





Practice test 3 Unit 11



Correct



Unattempted



Incorrect



1/10

Q:

The X-ray beam coming from an X-ray tube will be

A

Monochromatic

B

Having all wavelengths smaller than a certain maximum wavelength

C

Having all wavelengths larger than a certain minimum wavelength

D

Having all wavelengths lying between a minimum and a maximum wavelength

1

2

3

4

5

6

7



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



2/10

Q:

The penetrating power of X-rays increases with the

A

Increase in its velocity

B

Increase in its frequency

C

Increase in its intensity

D

Decrease in its velocity

Explanation

$$E/t = P = hf/t$$

i.e. Penetrating power directly proportional to energy and Frequency



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



3/10

Q:

X-rays are produced due to

A

Break up of molecules

B

Changing in atomic energy level

C

Changing in nuclear energy level

D

Radioactive disintegration

1

2

3

4

5

6

7



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



4/10

Q :

The ratio of the energy of an X-ray photon of wavelength 1 \AA to that of visible light of wavelength 5000 \AA is

A

1: 5000

B

5000 : 1

C

1 : 25×10^6

D

25×10^6

Explanation

Energy
 $E = hf$

$$= h \frac{c}{\lambda} \therefore \frac{E_1}{E_2} = \frac{\lambda_2}{\lambda_1} = \frac{5000}{1}$$

1

2

3

4

5

6

7



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



5/10

Q:

The most penetrating radiation out of the following is

A

X-rays

B

β -rays

C

α -particles

D

γ -rays

Explanation

SAEED MDCAT TEAM

Penetration is directly proportional to the energy of radiations.

1

2

3

4

5

6

7



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



6/10

Q :

X-rays cannot be deflected by means of an ordinary grating due to

A

Large wavelength

B

High speed

C

Short wavelength

D

None of these

1

2

3

4

5

6

7



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



7/10

Q :

When X rays pass through a strong uniform magnetic field, Then they

A

Do not get deflected at all

B

Get deflected in the direction of the field

C

Get deflected in the direction opposite to the field

D

Get deflected in the direction perpendicular to the field

Explanation

Because X-rays are electromagnetic (Neutral) in nature.

1

2

3

4

5

6

7



Practice test 3 Unit 11



Correct



Unattempted



Incorrect



8/10

Q :

X-ray will travel minimum distance in

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Wood

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Water

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Practice test 3 Unit 11



Correct



Unattempted



Incorrect



9/10

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Practice test 3 Unit 11



Correct



Unattempted



Incorrect



10/10

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